

Cas No. 62601-CON3

**DIRECTOR, U.S. PATENT AND TRADEMARK OFFICE  
WASHINGTON, DC 20231**

In re Application of: **MEARS**  
Serial No.: **NOT YET ASSIGNED**  
Filed: **HEREWITH**  
For: **SEMICONDUCTOR DEVICE INCLUDING  
BAND-ENGINEERED SUPERLATTICE**

Sir:

Transmitted herewith is an INFORMATION DISCLOSURE STATEMENT in the above-identified application.

1.  This IDS is submitted under 37 C.F.R. § 1.97. No fee is required.
2.  This IDS is submitted under 37 C.F.R. § 1.97(c). Enclosed is a check in the amount of \$180.00.
3.  This IDS is submitted under 37 C.F.R. § 1.97(c) and (e). No fee is required.
4.  This IDS is submitted under 37 C.F.R. § 1.97(d) and (e). Enclosed is a check in the amount of \$130.00 to cover the petition fee.
5.  The Commissioner is hereby authorized to charge or credit any discrepancies in fee amounts to Deposit Account No. 01-0484.
6.  Please associate this application with Customer No. 27975.



PATENT TRADEMARK OFFICE

Date: November 19, 2003



A handwritten signature in black ink, appearing to read "Christopher F. Regan".

CHRISTOPHER F. REGAN  
Reg. No. 34,906

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: )  
**MEARS** )  
Serial No. NOT YET ASSIGNED )  
Filing Date: HEREWITH ) Attorney Docket No.  
For: SEMICONDUCTOR DEVICE INCLUDING ) 62601\_CON3  
BAND-ENGINEERED SUPERLATTICE )  
)

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CITATION UNDER 37 CFR §1.97

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Attached is a form PTO-1449 listing several references for consideration in the examination of the above-identified application. A copy of each reference may be found in parent application, Serial No. 10/647,060 filed August 22, 2003. It is requested that these references be considered by the Examiner and officially made of record in accordance with the provisions of 37 CFR §1.97 and Section 609 of the MPEP.

Respectfully submitted,



CHRISTOPHER F. REGAN  
Reg. No. 34,906  
Allen, Dyer, Doppelt, Milbrath  
& Gilchrist, P.A.  
255 S. Orange Avenue, Suite 1401  
Post Office Box 3791  
Orlando, Florida 32802  
407/841-2330  
Attorney for Applicants

<b>INFORMATION DISCLOSURE STATEMENT</b>	Atty Docket: Serial No.: Applicant: Filing Date: Group:	62601_CON3 Not Yet Assigned MEARS Herewith

<b>U.S. PATENT DOCUMENTS</b>							
<b>Examiner Initials</b>		<b>Document Number</b>	<b>Date</b>	<b>Name</b>	<b>Class</b>	<b>Sub Class</b>	<b>Filing Date</b>
	AA	4,594,603	06/10/86	Holonyak, Jr.	357	16	01/24/85
	AB	4,937,204	06/26/90	Ishibashi et al.	437	110	01/4/89
	AC	4,969,031	11/06/90	Kobayashi et al.	357	63	02/3/83
	AD	5,05,887	10/08/91	Yamazaki	357	4	01/18/90
	AE	5,216,262	06/1/93	Tsu	257	17	03/2/92
	AF	5,357,119	10/18/94	Wang et al.	257	18	02/19/93
	AG	5,684,817	11/04/97	Houdre et al.	372	45	05/1/96
	AH	5,683,934	11/4/03	Candelaria	437	134	05/3/96
	AI	5,994,164	11/30/99	Fonash et al.	438	97	03/18/98
	AJ	6,058,127	05/2/00	Joannopoulos et al.	372	92	12/12/97
	AK	6,274,007	08/14/01	Smirnov et al.	204	192	03/14/00
	AL	6,281,518	08/28/01	Sato	257	13	12/3/98
	AM	6,281,532	08/28/01	Doyle et al.	257	288	06/28/99
	AN	6,344,271	02/05/02	Yadav et al.	428	402	03/23/99
	AO	6,472,685	10/29/02	Takagi	257	77	12/2/98
	AP	6,498,359	12/24/02	Schmidt et al.	257	190	05/18/01
	AQ	2003/ 0034529	02/20/03	Fitzgerald et al.	257	369	10/8/02
	AR	2003/ 0057416	03/27/03	Currie et al.	257	19	09/20/02

**FOREIGN PATENT DOCUMENTS**

		<b>Document Number</b>	<b>Date</b>	<b>Country</b>	<b>Class</b>	<b>Sub Class</b>	<b>Translation</b>
	AS	02/103767	12/27/02	WO	H01L	21/20	
	AT	2,347,520	09/06/00	GB	G02B	5/18	
	AU						

<b>EXAMINER:</b>	<b>DATE CONSIDERED:</b>
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\***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609;  
Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>INFORMATION DISCLOSURE STATEMENT</b>	Atty Docket: Serial No.: Applicant: Filing Date: Group:	62601-CON3 Not Yet Assigned MEARS Herewith

<b>OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)</b>		
	AV	Xuan Luo et al.; "Chemical Design of Direct-Gap Light-Emitting Silicon", published July 25, 2002 by The American Physical Society; Vol. 89, Number 7
	AW	R. Tsu; University of North Carolina at Charlotte, "Phenomena in Silicon Nanostructure Devices"; published 09/06/2000 © Springer-Verlag 2000
	AX	P.D. Ye et al., "GaAs MOSFET with Oxide Gate Dielectric Grown by Atomic Layer Deposition"; © 2003 Agere Systems, March 2003
	AY	Novikov et al.; "Silicon-based Optoelectronics" © 1999-2003 by John Wiley & Sons, Inc.; pp/ 1-6
	AZ	
	BA	

<b>EXAMINER:</b>	<b>DATE CONSIDERED:</b>
<b>*EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	